Soniya Malviya

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 GitHub | 🔗 LinkedIn | 🌐 Portfolio | </> LeetCode

EXPERIENCE

IIT Roorkee and SSF (Social Studies Foundation)   Nov. 2024 – May 2025
Full Stack Intern   Internship

- Engineered a scalable web platform aggregating government schemes, scholarships, and job opportunities to improve information accessibility for marginalized communities
- Built automated web scraping pipelines to extract, clean, and normalize unstructured data from multiple public sources
- Designed and implemented an analytics dashboard tracking user engagement metrics, improving data visibility and monitoring efficiency
- Led frontend architecture and UI development using component-driven design principles for improved maintainability
- **Tech Stack:** React.js, Next.js, Django, REST APIs, Tailwind CSS, AWS

PROJECTS

IntelliDocs - AI-Powered Document Intelligence System [GitHub]

- Built an AI-powered document intelligence system using Retrieval-Augmented Generation (RAG) to enable conversational querying over private document datasets
- Implemented semantic search using vector embeddings and similarity retrieval to reduce hallucinations and improve answer grounding
- Designed a scalable PDF ingestion pipeline with intelligent chunking, metadata tagging, and citation tracking linking responses to exact document sections
- Integrated LLM orchestration using LangChain and LlamaIndex for context-aware Q&A and multi-step reasoning
- Deployed backend services on AWS and hosted frontend on Vercel for scalable cloud-based access
- **Tech Stack:** Python, LangChain, LlamaIndex, OpenAI API, Vector Embeddings, AWS, Vercel, Git

EmpowerHub [GitHub]

- Developed a full-stack platform centralizing government schemes, scholarships, and employment opportunities to reduce information fragmentation
- Implemented scalable data ingestion via automated web scraping and backend API integration
- Built analytics dashboard for monitoring user behavior, engagement trends, and data performance metrics
- **Tech Stack:** React.js, Next.js, Django, REST APIs, Tailwind CSS, AWS Cloud

EDUCATION

Newton School of Technology, Rishihood University   Aug. 2023 – Jul. 2027
Bachelor of Technology in Computer Science and Artificial Intelligence   CGPA: 8.5/10

SKILLS

Programming Languages : Python, TypeScript, JavaScript, SQL, HTML, CSS

AI/ML & LLM Engineering : LangChain, LlamaIndex, Retrieval-Augmented Generation (RAG), AI Agents, LLM Orchestration, Prompt Engineering, Fine-tuning Pretrained Models, OpenAI API, Llama 3, Vector Embeddings

Speech & Audio AI : Text-to-Speech (TTS), Voice Cloning, Emotion Conditioning, Coqui XTTS-v2, F5-TTS, Whisper (Forced Alignment), Librosa, Torchaudio, FFmpeg, Audio Preprocessing

Web & Backend Development : React.js, Next.js, Node.js, Express.js, Django, REST APIs, Tailwind CSS

Databases : MongoDB, PostgreSQL, MySQL

Tools / Platforms : Git, GitHub, Docker, AWS, VS Code, WebStorm